

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: had@halcyon.com
Subject: **WTB:R1051 Manuals & Cables
Message-ID: <NEWTNews.6312.846447068.had@halcyon.com>

Hi All,

All of the following pertains to the R1051(x) receivers.

Looking for the following manuals or clean copies of:

AF T.O. 31R2-2URR-221
221-1
221C

Navships 0967-034-2000
004-2000
004-3000
004-4000
004-5000
427-4020
427-4030
427-4040
970-9016 (old # 94841(A))

I already have the manuals that are available from Fair Radio.

Also, would like to find the W2 and W3 extender cables.

Thanks,

Hadley, K7MLR
had@halcyon.com

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Re: 50E-1 receiver
Message-ID: <Pine.SUN.3.95.961027173846.2822A-1000000@coyote.rain.org>

These were used (at least) in Strategic Air Command, located at SAC HQ and at each numbered Air Force (2nd - Barksdale AFB, LA; 8th - Westover AFB, MA; 15th - March AFB, CA). There were three receivers at each NAF receiver site, usually matched up with 205J (50KW) or 204C (10KW) transmitters at the transmitter site. Like everything else in the

air/ground positions, they were controlled by one little 5-button panel and a simple telephone dial, through a series of 2-digit codes. (At one time, I had to memorize 'em all, plus site configuration differences, so I could dial up any of the other sites, take control, and use their gear. Yecch! After midnight, we used to do exactly that without notifying the other site, just to see if they were awake. If they didn't squawk, we'd change frequency or antenna or sideband or antenna direction, etc. and then drop off. Caused no end of hate and discontent that way. :-}})

We always had a backup KWT-6 (URC-32) sitting ready to take up the slack if we had a failure in either rx or tx. Since we had about two dozen of the KWT-6's (a dozen each for air/ground and for point-to-point), we could afford to do that. The only gear we truly *hated* was that abortion of a Lockheed control console for the point-to-point gear, which was always on the fritz.

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA ex-W6RIC
ex-USMC & USAF (a looooooong time ago!)
Your tax dollars at play in my retirement.

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
Subject: Another Trip to Texas (Irving Texas Convention)
Message-ID: <Pine.A32.3.91.961027210026.37695A-100000@ppdu.nrl.navy.mil>

BA Experts,

I had to fly out to Houston from Virginia on Thursday. I visited Gerald D'Entremont (WA5TVM) and Gary Youney in Houston. Saw their fine National and Johnson collection. Friday morning drove to Austin and visited Chuck Dachis (again) and Neil Chavigny's Radio Ranch. See Neil's web page at <http://www.radioranch.com>.

I then drove to Dallas for the Vintage Radio and Phonography Society VRPS/AWA Convention in Irving (near Dallas) Texas. There, Neil Wiegand and I had the pickings of some nice BA gear while most everyone else went after the antique radios. The following BA radios were for sale:

- 3 ARC-5 Transmitters, New In Box for \$20 to \$25
- 1 ARN-5 Navigation Receiver for \$15
- 2 BC-348 Receivers \$35 each
- 1 pogo stick radio (BC-745?) for about \$12
- 2 AN/URR-35 225-400 MHz receiver for \$15 each
- 2 R-278/GR (Collins) 225-400 MHz receiver for \$15 each
- 1 RT-70 Receiver/Audio Amplifier for \$20
- 1 National SW-54 sold for \$40
- 1 S-120 Hallicrafters sold for \$40

1 Vibroplex in case sold for \$60
plus others

I then drove back to Houston with 5 boxes in my rental car. Neil drove back to Austin with a van packed with his acquisitions and four BA's that I couldn't carry to the Houston airport.

Over all, the auction, flea market, and banquet at the VRPS/AWA Convention '96 in Irving Texas was rewarding with both friendship and hardware.

Paul Bernhardt, KF4FOR

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: w4bld@juno.com (Robert B. Kerby)
Subject: Another Tube Source
Message-ID: <19961026.192729.5071.4.W4BLD@juno.com>

Typetronics - PO Box 8873 - Ft. Lauderdale, FL 33310
Owned by Fred Schmidt - N4TT
TELCO (954) 583-1340
FAX (954)583-0777

ALL NEW STUFF IN ORIGINAL BOX REASONABLE PRICES (if any tubes have
reasonable prices these days)

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: howellh@winthrop.edu
Subject: B&W T/R switch - 6146s
Message-ID: <96102705080588@winthrop.edu>

WINTHROP UNIVERSITY

Electronic Mail Message
Date: 27-Oct-1996 04:55am EDT
From: Haney Howell
HOWELLH
Dept: Mass Communication
Tel No: 323-4534

TO: Remote Addressee (_smtp%"boatanchors@theporch.com")

Subject: B&W T/R switch - 6146s

It was bound to happen... I was cleaning up a B&W 380 T/R switch and put the tube down on the bench... in the midst of a stack of tubes from another project! Anyone have one of these puppies and can tell me what tube I misplaced? Also, a schematic would be nice along with hookup instructions. Only two connectors...

one to the receiver and the other to the antenna.

A really silly question. Several 6146s in the shop have loose top caps. Does anyone have any suggestions for refastening them? Too bad to chuck good tubes because of a mechanical problem.

Haney no2n <howellh@winthrop.edu>

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "William B. Ross" <billross@txdirect.net>
Subject: Re: B&W T/R switch - 6146s
Message-ID: <327396F4.4875@txdirect.net>

A dab of superglue or epoxy (not too much) will solidify loose tube caps. I have tried both and both work. Of course this assumes that the electrical connection is still intact.

If the electrical connection is broken and there is a wire extending above the envelope it can also be repaired. If the wire is long enough for re-attachment, clean it with an abrasive (I use a diamond dust fingernail file). Clean the inside of the plate cap, then drill a hole in the top slightly larger than the wire. prepare the wire and top of the plate cap by tinning. Put a small amount of epoxy around the base of the plate cap. Carefully run the wire thru the hole in the plate cap and press it onto the envelope. Allow to dry for 24 hours. This prevents any heating of the plate cap from changing the chemistry of the epoxy. When hardened, solder wire to plate cap at hole.

Trim the wire even with plate cap and file it smooth (diamond dust nailfile again). Good as new.

Bill K5LLK

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: Andy Wallace <wallace@world.std.com>
Subject: BA boy makes good!
Message-ID: <199610270202.AA13262@world.std.com>

Kudos to our own ROBERT FOWLE!

He is mentioned in the acknowledgements of Raymond Moore's book TRANSMITTERS, EXCITERS, AND POWER AMPLIFIERS 1930-1980.

73,

--Andy
wallace@world.std.com

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: Ben Bradley <bradley@norcross.mcs.slb.com>
Subject: BA haunts around Fort Walton Beach, Fla.?
Message-ID: <2.2.32.19961026215937.0031bfb0@norcross.mcs.slb.com>

I've seen others ask, so I'll do so also...

I'll be going to South Walton Beach for the Sportsfest (totally unrelated to boatanchors) next weekend, and thus will miss the hamfest in Lawrenceville that's 10 miles from my house :-(

But I wonder if there are any 'BA haunts', or even a swapmeet or hamfest in the area next weekend - places I could visit Saturday, anywhere from maybe Pensacola to Panama City.

Ben Bradley, Design Engineer
Schlumberger Measurement & Systems
Meter Communication Systems (MCS)
snail: 3155-B Northwoods Parkway
Norcross, GA 30071-1576 USA
email: bradley@norcross.mcs.slb.com
voice: 770-368-3444 ext. 3191
fax: 770-840-8614

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: Case for a HQ-145, HQ,etc.
Message-ID: <UPMAIL03.199610262237270889@msn.com>

Gang , Got a spare case for the Little HQ-145, naturally it fits all of the HQ series.. It's not a A model, thus doesn't have the trap door on top. Anybody want?

Your Friend Al
fritsche@msn.com

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "William B. Ross" <billross@txdirect.net>
Subject: Re: CE100V parts and question on 6550s and Collins 51S1
Message-ID: <3273A616.4B91@txdirect.net>

I have owned five CE100V sets (and one 200V) and used 6550s from a variety of manufacturers with absolutely no difference in operation or output. My present 100V manual was printed by CE in 1960 and can find

no mention of a recommended manufacturer for the 6550 tubes.

FWIW. Some 6550s have a distinctive Coca Cola bottle shape and others are more straight sided or cylindrical in shape. I prefer the cylindrical shaped tubes over the others for two reasons. A cylindrical shaped tube allows more room between the tube envelopes in the crowded RF cage which should enhance cooling, and it makes it easier to access the neutralizing adjustment that is located at chassis level between the 6550s.

Bill K5LLK

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: davemed@ix.netcom.com
Subject: Collins FS/Swap
Message-ID: <1996112620495636334@ix.netcom.com>

I have tried unsuccessfully to post to rec.radio.swap so I am posting here with some apology. Collins S-line to me is not a boat anchor (in the derogatory sense) but certainly qualifies as something that glows in the dark and is more than 25 years old so here goes:

First I have a 136B-2 noise blanker for the KWM-2A. This unit was installed in a KWM2-A which I purchased new from Collins 25+ years ago, I removed it from the radio immediately as I did not need it and it has been in my storage ever since. I will swap it for a PM-2 power supply in reasonable condition or \$125.00 cash.

Next I have a VERY nice KWM-2A (Winged emblem) not military surplus which needs a new home. Cosmetically it is a 9+ and electrically a 10. It has recently been professionally overhauled and comes with a PM-2 power supply and repro manual. Works up to spec on all bands. Has new finals and all 6U8 tubes have been replaced by new 6EA8s. The asking price is \$750.00 or I would consider swapping it for non working S-line equipment or what have you.

No reasonable offer will be refused for either item.

Dave KI6QE/7

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "Andy Howard, WA4KCY" <102452.362@CompuServe.COM>
Subject: Collins Knobs Needed
Message-ID: <961027212200_102452.362_DHT84-1@CompuServe.COM>

Hello All,

I am in the process of restoring a Collins 310-B Exciter and need two knobs. These are the skirted Collins Knobs. One is 1-3/4 inches in diameter and the other 1-1/2 inches. I believe these are standard and are on the other Collins equipment of the period. Any help would be greatly appreciated as I would like to restore this fine old piece of gear and use it to excite my big AM rig. Will pay fair price plus shipping.

Thanks and 73,

Andy Howard, WA4KCY
Carrollton, GA
wa4kcy@usa.net

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: ks0f@i1.net (MIKE SANDERS)
Subject: Collins Prices.....
Message-ID: <199610280303.VAA28926@mail11.i1.net>

Greetings All,

OK lets just say for argument sake that a 75A4 in perfect working condition with SSB/CW/AM filters, reduction tuning knob, speaker and original manual is actually worth a grand on the market today. We all know the speakers are expensive alone. The filters individually are very expensive. The reduction tuning knob alone is extremely rare and would be expensive (what was it 16 bux as an upgrade option from Collins?)

Wouldnt that make a stripped 75A4 worth maybe 400 bux at best?

Why would product from one of the most prolific communications equipment manufactures (that means they made a lotta stuff) which is not so rare be so expensive?

Quality? If a 32S3 is worth 400 or 500 why isn't a CE100V worth about 1500 to 2000?

Performance? If an S line is worth a grand why isn't a Drake B line worth 1400?

Features and capabilities? If an S line is worth a grand why isn't a Drake B line worth two grand?

Reliability and ease of service? I must have only seen bootleg Collins knockoffs. It couldnt have been the real thing.

Rarity?

What?

Can someone please let me in on the answers to this mystery to me? I would really like to know. I am obviously missing something here.

I am sure I have done some rather foolish things when it comes to buying and selling BA stuff. Why is it that I cannot bring myself to pay the kind of asking price going today for a 75A4? I want one real bad. I guess I dont want one bad enough though.

Long before this list I remember putting time and effort into old receivers mainly. No one wanted them and they treated them that way in some cases. I would take an orphan and get it cleaned up and working and sell it off to someone else for about what I paid for it. Then I would find another and on and on. It used to be great fun to get to see the rigs of yesteryear and have hands on experience with them. Those days are long gone and I am in the race with everyone else. This is what makes me wonder about some of these prices.

Are we really as smart as we think we are?

73, Mike

KSOF (maybe forever....it so, I want my 30 bux back)

P.S. I like the Collins stuff. If you want to get fanatical about it I am the guy who said if it wasn't winged it wasn't Collins. But, whats with these prices? ? ?

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>
Subject: CRT Posting
Message-ID: <199610271537.JAA16559@legend.txdirect.net>

Recently someone posted a message regarding miscellaneous CRTs available for sale. Somehow I fat fingered it into somewhere. Could someone please send that message to me again?

Thanks in advance and 73,
gary

TOO many projects, NOT enough time!!
*
* Gary H. Harmon, Jr., K5JWK *
* 6302 Robin Forest *
* San Antonio, TX 78239-3218 *
* (210) 657-1549 *
* gharmon@txdirect.net *

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
Subject: Dave Ishmael on E-Mail???
Message-ID: <Pine.SV4.3.91.961027125935.18613A-1000000@mesa5.mesa.colorado.edu>

Does anyone know if Dave Ishmael, WA6VVL, is on e-mail? If so, what is his e-mail address?

Thanks.

Jim WOKSD

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>
Subject: Deja VU!!!!!!
Message-ID: <Pine.SUN.3.91.961027134109.28270A-1000000@dot.w6bhz.calpoly.edu>

> Today, I had the most awesome experience this side of the BA twilight realm!
>
> I was thinking earlier this morning of a Vibroplex Original key sans
> counterweights. Originally, as WD6BTE, I got this key from another ham
> for \$10, but eventually sold the thing 10 years later for \$15 more. As a
> read through the pages of Dave Ingrams "Keys, keys, keys", I began to
> reminisce on that key and regretted about having to let it go. About that
> time, for some reason, I remembered that I better start on my senior
> project (which is restoring a Collins 32V2) and had to pick up some
> supplies for the radio along with another project I needed to get done.
>
> I went directly to Midstate Electronics, a local radio/electronics parts
> store in San Luis Obispo. Making my way near the display cases of the
> store, I eyed the unmistakable lines of a Vibroplex Original for 75
> bucks! Should I or shouldn't I? I carefully looked over this "bug that
> was buggin' me." It was brand spankin' new. An envelop holding extra
> counterweights stood next to the unit. Immediately, I directed the clerk
> to pull it out of the case and hold it while I gathered the rest of the
> items. Normally, Midstate doesn't carry ham gear but wow, whatta
> surprise! And such a deal! Cal, N6KYR.
>
> P.S. I found out that others before me eyed the bug with lust, but
> probably himmed and hawwed over it. Bet you next time when they see that
> section empty, they will regret it. Moral: if you see a good deal, SNAP

> IT UP, NOW!!!!!!
>

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: Andy Wallace <wallace@world.std.com>
Subject: Drake 4-LF converter?
Message-ID: <199610270049.AA18164@world.std.com>

Hello, people!

I was just listening to the Drake swap net (Sat night 8 pm 3865 LSB) and one fellow listed a 2-B receiver, 2-BQ speaker/Qmult, and a 4-LF longwave converter. Now, I know there is a 2-LF which plugs into the 2-line in place of the calibrator, but I am not familiar with the 4-LF. This is the second time I've heard of this unit.

If someone could email me a picture of one, or xerox an ad, or something -- or just a nice description would do -- it would be nice.

I didn't call the fellow because it sounded like he would not have separated the 4-LF from the 2-B pair.

Thanks, folks!

73,
--Andy
wallace@world.std.com

<http://www.mindspring.com/~johnmb/ka1gtt1.htm>

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: drhydro@ames.net (Paul Nelson)
Subject: Drake MN-4C Tuner
Message-ID: <v01540a01ae9994ac8884@[1.1.1.1]>

Picked up a Drake MN-4C matching box at the Des Moines hamfest today... looks mint inside and out. This is the one with the balun on the back... However, as usual, don't have a manual- wonder if some kind soul can make me a copy? As usual, I'm happy to defray costs and so forth!

Paul Nelson W5GNF
Ames, Iowa

(DrHydro@ames.net)

"When I go, I want to go quietly, in my sleep, like my grandfather- not screaming, like his passengers."

"More hay, Trigger?"

Cessna 140 N77149

"No thanks, Roy, I'm stuffed."

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: "William B. Ross" <billross@txdirect.net>
Subject: Re: Dumb Capacitor Question
Message-ID: <3272CEE1.4874@txdirect.net>

There should be no problem using three 30 mfd capacitors with proper voltage ratings as long as the common element from the original is maintained by tying the three capacitors together and soldering it to one of the original capacitors ground points.

Bill K5LLK

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Eldico R104 Schematic and Knobs Needed
Message-ID: <199610270232.VAA22269@lesol1.dseg.ti.com>

Greetings,

I need a schematic for the Eldico R-104 receiver. I've only got about 2/3 of a schematic currently. I forgot to mention in my Texoma post that the Eldico units I acquired today are missing a half-dozen of the original metal knobs. The original metal knobs were replaced with Collins S-line plastic knobs. (Hmmm, seems a bit ironic... The main tuning knobs are even S-line knobs!)

Anybody know whether the Eldico S-line clone knobs are unique to Eldico equipment or whether they might be more generally available?

BTW, while I'm begging, I might as well ask for a copy of the M-135 Control Unit schematic.

As always, glad to pay all expenses, coffee money, etc.

Regards,
Bill Sorsby, N5BU bill.sorsby@dlep1.itg.ti.com
Grapevine, TX 76051

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: emergency output transformer
Message-ID: <Pine.ULT.3.95.961027002518.15462D-100000@admin.aurora.edu>

While trying to get some sound out of the old HRO I obtained today, I was in need of an audio output transformer. The older HRO's don't have one built in - they bring the B+ and plate leads out to a terminal strip and you provide your own transformer.

Well, I didn't have anything that was obviously the right thing (7000 ohms to either 600 or 8 ohms). So I took some misc transformers and tried to find something with the right turns ratio.

I ended up using a Stancor 24 watt line to voice coil unit. By using the lowest wattage (1.5) for the primary, I got an 8 ohm output by using the 8 and 16 ohm secondary taps. Works just great.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: Eugene Rippen <soundval@foothill.net>
Subject: FS Old Books
Message-ID: <327422CA.621F@foothill.net>

Just acquired the following old books, which are now for sale:

Radio Engineering, Terman, 2nd Edition, 1937, 813 pages Fair-good.\$10.00
High Frequency Measurements, Hund, 1st Edition, 1933, 491 pages Good.\$10.00
High Frequency Measurements, Hund, 2nd Edition, 1951, 676 pages. Good.\$12.00
Elements of Radio, Marcus & Horton, 1943, 699 pages. Fair. \$7.00
Operating Questions and Answers, Hornung, 10th Edition, 1950 Fair - Good. \$4.50
Operating Questions and Answers, Nilson & Hornung, 7th Edition, Fair. \$3.50
Radio Physics Course, Ghirardi, 2nd Edition, 1933, 972 Pages, Good.
\$15.00
Radio Physics Course, Ghirardi, 2nd Edition, 1933, 972 Pages, Good. \$15.00
Modern Radio Servicing, Ghirardi, 1st Edition, 1935, 1302 Pages. Fair - Good.
\$15.00
Practical Radio Communications, Nilson & Hornung, 2nd Edit, 1943, 927 Pgs. Good.
\$15.00
Audel's Handy Book of Practical Electricity, 1924-1942, Fair - Good. \$8.00

Add a total of \$2 for shipping any number of books, but in the same order. at the same time.

Example: (2) Books for 3.50 and 15.00 are 18.50, then add \$2 for a total of \$20.50.

Please send money so that I RECEIVE IT within 7days, otherwise they will bve offered for sale again.

Eugene Rippen, 105 Donnington, Auburn, CA 95603. No phone calls please. Email is fine.

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Dave Hutchison <djhutch@concentric.net>
Subject: FS" Johnson Pacemaker Transmitter
Message-ID: <3273B53F.1AA4@concentric.net>

I have a Johnson Pacemaker SSB, AM & CW transmitter for sale. Cosmetic condition is about an 8.5 on a scale of ten. The unit is untested but complete and presumed to be working. The unit is also unmodified to the best of my knowledge and has all original knobs, meters etc...

Price is \$75 plus shipping and packing costs from Indiana.

73's

Dave Hutchison KW9U

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
Subject: FS: Collings 75A4 Receiver, no filts \$595

Collins A4, good condition. no filters. no spinner knob, serial in the 1700s. For sale for \$595 or trade for Rolex wristwatch.

K7SS

Danny
Seattle

only flaw is DL# etched on top lid edge.

----- Forwarded message ends here -----

----- N O T I C E -----

Please do not email me regarding this message. It is a re-post from the

newsgroup rec.radio.swap. All inquiries must go to the person making the post at the email address above... not me!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
Subject: FS: Hallicrafters S-41 Receiver \$25

No it doesn't work. Powers up and hisses from speaker. Complete, but main dial on bandspread side is fades quite bad. Main dial is ok. Probably a decent candidate for rebuild.

\$25 plus shipping.

George N7BUI

----- Forwarded message ends here -----

----- N O T I C E -----

Please do not email me regarding this message. It is a re-post from the newsgroup rec.radio.swap. All inquiries must go to the person making the post at the email address above... not me!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: "Mark S. Hovda" <75301.3141@CompuServe.COM>
Subject: FS: Misc. Items
Message-ID: <961027213445_75301.3141_GHI93-1@CompuServe.COM>

I have the following items for sale. Shipping from Cedar Rapids is not included in the prices. If I get multiple offers, preference will be given to those who have helped me out, otherwise random selection will be made on 10-29 at 8:00 PM my time.

1. Hickok TV-3B/U tube tester/VOM. Works, the case is pretty scratched up. The roll chart is stiff, but still moves. The tube chart is dated May 1966. Tube chart does not include many of the pre WW-2 tubes, but the information should be easily obtainable. \$50.
2. Heathkit QF-1 Q Multiplier w/manual copy. Untested. \$15
3. HP 400D VTVM. Looks good, leather handle worn. Works. \$30.
4. Bird Termaline Dummy Load. 500W continuous. Has Rockwell/Collins test equipment labels. \$30
5. Hallicrafters S-40B. Works. Manual copy. Average condition. Has small scuffs and scratches. The bandsread lettering is worn, but not worn off. \$50
6. Heathkit HD-1250 Dip Meter, works, Sand State w/manual, excellent condition \$40.
7. Heathkit IM-10 VTVM, works, no manual. Fair condition. Meter cover has a dime size melted spot, looks like some molten solder was splashed on it. The melted spot is in the lower corner so it would not interfere with meter readings. \$10
8. Heathkit HD-15 phone patch. Excellent conditon, untested. No manual. \$10
9. BC-348. Hammarlund S-Meter has been added. No dynamotor, nameplate or mount. Untested. Nine 3/8 inch holes drilled in top of cabinet. Needs paint. \$40.
10. DY-8/ARC-5 Dynamotor, Untested. 28V/565V \$15.
11. DY-2A/ARR-s Dynamotor, Untested. 28V/250V \$10

Thanks,
Mark
N0JWI

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
Subject: FS: National & Galaxy BA's

I have the following National recievers for sale:

HRO 50T with coil sets:AA, B, C, D. with matching speaker. In great

cosmetic shape and electrically sound. C and D coil sets need alignment.
\$150 plus shipping (and this thing is HEAVY)

NC 125. Good cosmetic condition, one incorrect knob. Works well but
develops a "popping" sound after it warms up. Sorry, no speaker with
this one...
\$85 plus shipping

other radios and misc.:

Galaxy GT 550 with power supply/ speaker and original manual. Works
swell (this was my first novice station...but I'm running out of room)
with spare 6LB6 finals.
\$150 plus shipping

RME DB20 preselector. Lights up but not much affect on signal strength...
\$40 plus shipping

contact Chris (TubsC@aol.com) for more info. Thanks!

----- Forwarded message ends here -----

----- N O T I C E -----

Please do not email me regarding this message. It is a re-post from the
newsgroup rec.radio.swap. All inquiries must go to the person making the
post at the email address above... not me!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
Subject: FS: Swan 500 Transceiver with PS

Have in Good Condition the Swan 500 transceiver. Works great, excellent
audio both TX and RX. With Manual. \$200. WE6A. 818-222-0777.

----- Forwarded message ends here -----

----- N O T I C E -----

Please do not email me regarding this message. It is a re-post from the
newsgroup rec.radio.swap. All inquiries must go to the person making the

post at the email address above... not me!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: Tom.Daley@530.gigo.com (Tom Daley)
Subject: fs: two more items
Message-ID: <106_9610271922@gigo.com>

hello ba people i have two items to sell or trade. i am looking
for gonsets ! all below plus shipping

1. jackson 648a dynamic tube tester. fair/good condition with
some grunge/dirt from tech use. tested several tubes ok but
found it to be more stingee then my tv7u and wouldnt lite the
fil of 6146 up (needs some love and de-oxit). tested other 6v
tubes ok (616, 6sn7, 6au6). has built in roll chart with extra
updates with the newest dated 1974. \$75

2. kenwood kw-30 hollow state am/fm multiplex receiver in fair
shape. front panel good except a pitted chrome strip and missing
one knob. chassis is good with a little rust on power transformer
and on 2 tube shields. missing power cord and one final tube
6bm8/ec182 (uses 2 per channel). has s-meter and stereo lamp !
untested \$35

dont be shy with offers or trades !! located in sacramento 73 tom

--

: Fidonet: Tom Daley 1:203/530 .. speaking for only myself.
: Internet: Tom.Daley@530.gigo.com

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "John E. Vercellino" <104204.2650@compuserve.com>
Subject: FS:Old QSTs from 50's, 60's, and 70's
Message-ID: <199610271430_MC1-B5D-94F6@compuserve.com>

I came across some old QSTs that are just a lot of fun to read. This
period covers the time when SSB was just coming into general acceptance,
SPUTNIK monitoring, CONELRAD alarms, 160m was expanded for amateur use, and
people still built a lot of their own equipment.

Here are the issues I have along with some titles of articles:

SEP 1955 -- "807s in a 150-Watt Bandswitching Rig", "A 28-Mc. Civil Defense Package"

JUN 1957 -- "A Novel Electronic Transmit-Receive Switch", "A One-Tube Two-Meter Rig with Transistor Modulator" (literally fits in the palm of your hand)

DEC 1957 -- "A Three-Band Novice Transmitter", "Transistor Audio for Mobile RIGs"

DEC 1962 -- "A Two-Kilowatt P.E.P Amplifier using the 3-1000Z", "Looking at Phone Signals"

NOV 1967 -- "An Obsolete 50-Mc. Mobile Receiver", "A Simple and Inexpensive Approach to Building Quads"

DEC 1967 -- "Rejecting Interference from Broadcast Stations", "Review of the National 200 Transceiver"

FEB 1968 -- "An Unusual R.F. Amplifier Circuit", "SSS 80-40" (Simple Solid State receiver for 80 and 40)

JUN 1968 -- "The GCR-2 Receiver" (general-coverage 2-stage receiver), "Relative Merit of Toroidal and Conventional R.F. Inductors", "Dial Modifications for Heath Monoband Tranceivers"

NOV 1968 -- "A Tranceiving Converter for "160", "The Mobiloop" (you should buy this just to see this antenna)

FEB 1969 -- "More Twoer Changes", "A Transmitting Converter for 50 MHz"

FEB 1974 -- "Energy Crisis", "Construction and Use of Long Helical Coils for Antenna Loading"

APR 1974 -- "Suppressed Sideband A-M Telephony", "A
Competition-Grade CW
Receiver -- Part II"

NOV 1974 -- "Adapting VFOs for the HW-16", "Resistors, Capacitors,
Inductors"

All books have great ads for the gear many of us run right now. It's fun
just looking through them!

All books are in good to very good condition. I'd like \$2.00 each and I'll
ship for that. If you're
interested in trading, I enjoy Allied Radio and Knight-Kit stuff, as well
as Heathkit Luchboxes.
Maybe we can put together a good deal for both of us.

73, John WB90VV

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: n5off@w5ddl.aara.org
Subject: Ft Walton BA Stops
Message-ID: <494749@w5ddl.aara.org>

An OM wrote looking for BA spots near Ft Walton as he was going to be there
for the Sportsfest.

I plan to visit the AF Air Weapons Museum (is that the right name?) at
Eglin AFB. These museums are usually good for some BA's.

I too am entered in the Sportsfest. I'll be doing the half marathon next
Sun. For BA identification, I'll be the only guy running with a PRC-25
strapped to my back ;-) Hoping for cool weather. My partner is doing the
triathlon, and we are on divergent weather hopes.

73 de tom n5off

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: Collings 75A4 Receiver, no filts \$595
Message-ID: <63842.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Danny <k7ss@wolffenet.com >
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: MODSTEPH@ACS.EKU.EDU
Subject: Re: Fwd: FS: Collings 75A4 Receiver, no filts \$595
Message-ID: <01IB5DXBWSXE0007DD@ACS.EKU.EDU>

That's an awful lot of money for what is in effect a piece of worthless junk (other than it looks pretty). No filters, no work...

73, Al N5AIT
modsteph@acs.eku.edu
Allan Stephens
Richmond, Kentucky

From: boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: "Cathy Elizabeth D'Entremont" <cdent@tenet.edu>
Subject: Re: Fwd: FS: Collings 75A4 Receiver, no filts \$595
Message-ID: <Pine.OSF.3.91.961027195726.25615A-100000@Joyce-Perkins.tenet.edu>

Maybe I should offer to trade a Rolex that doesn't work (busted mainspring)?

73, Gerald WA5TVM
cdent@tenet.edu

On Sun, 27 Oct 1996 MODSTEPH@acs.eku.edu wrote:

>
> That's an awful lot of money for what is in effect a piece of
> worthless junk (other than it looks pretty). No filters, no work...
>
> 73, Al N5AIT
> modsteph@acs.eku.edu
> Allan Stephens
> Richmond, Kentucky
>
>

From: boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: Hallicrafters S-41 Receiver \$25
Message-ID: <63847.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: au <au@ix.netcom.com>
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: National & Galaxy BA's
Message-ID: <74025.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: TubsC <tubsc@aol.com >
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: Swan 500 Transceiver with PS
Message-ID: <74030.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Robert Selman <wega@ios.com >
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: National AN/WRR2 - AN/FRR-59
Message-ID: <63876.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Francesco Ledda <fledda@airmail.net >
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: "Frank R. White" <whitefra@tyrell.net>
Subject: Re: General Radio Wavemeter?
Message-ID: <Pine.SUN.3.91.961027195853.20698C-100000@tyrell.net>

My 1935 GR catalog "H" shows the type 358 wave meter. It originally sold for \$17.50. Their description indicated that "it is particularly well adapted to general-purpose checking work around the laboratory".

73,

Frank, KB0TG

whitefra@tyrell.net

On Sat, 26 Oct 1996, Neal McEwen wrote:

> Picked up a real pretty GR wavemeter today. It is in an oak box with
> four coils and a calibration chart. It is a "Type 358". The tuning
> range is 240 to 14 meters. Does anyone have an idea of its vintage. It
> is marked "S.S.Ecuador, L.M.Stuar, R.O."
> --
> 73 de K5RW, Neal McEwen nmcewen@metronet.com - Richardson, TX (Dallas)
> WWW Page for Telegraph Key Collectors and Historians
> <http://fohnix.metronet.com/~nmcewen/ref.html>
>

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Hallicrafters S-20R Project
Message-ID: <v03007807ae99afd46b6a@[134.53.65.12]>

Hi Folks,

I just finished restoring an old S-20R Sky Champion, and thought I'd report on the results. The receiver was in fine shape initially, though two of the electrolytics were bad, the dial cord was broken, there was no line cord, the speaker had a dime-sized hole in the cone, and the whole thing was filthy.

After cleaning it thoroughly, spraying De-Oxit on the switches and pots, replacing the dial cord and the power cord, and patching the hole in the speaker, I then laboriously replaced all capacitors (except the tuning cap) with new ones. I used metallized mylar caps for the original waxed paper caps. Out of curiosity, I measured the capacitance of the removed capacitors and discovered they were invariably higher capacitance than labeled. Typically a .05uF cap would measure at .07. Most of the caps showed significant leakage current. I also checked the resistors and found they were all over the map -- sometimes high, sometimes low, with 40% variation from their nominal value not unusual. I didn't replace any though, reasoning that if I couldn't bring the set into alignment then I'd worry about replacing resistors.

When I powered up the receiver the first time this afternoon, I started by plugging in the 80 rectifier tube, and measured voltages. Then I plugged in the 6F6 audio stage and injected a sine wave into the grid to make sure the audio stage was working. It sounded fine, so I plugged in the rest of the tubes. The chassis was out of the cabinet on my workbench, and I used a 15 ft clip lead for an antenna. I tuned across the broadcast band and heard a

local station, and it sounded fine, though the dial scale was way off (understandably, since i had replaced all the caps, but hadn't yet realigned the rig.)

I searched for the 40 meter ham band, and eventually found a cw qso. Believe it or not, the first cw I heard on the receiver was a slightly buzzy signal saying, "rig hr is an ARC-5, ARC-5 and BC-348, BC-348." I thought I was in a time warp, until I heard his QSO come back and say, "Nvr hrd of an ARC-5. Is it made by Kenwood?" Oh well.

Next I put the receiver in its cabinet and went through a complete alignment. It came into alignment very easily. According to my HP-8640B sig generator, it easily heard 0.1uV on 80 meters, with sensitivity dropping to about 1uV on 10 meters. I was pleasantly surprised at the frequency stability. After a one hour warmup, it only drifted about 500Hz per hour, which was plenty slow enough to tune in ssb signals. The CQ WW DX test is on this weekend, so I was able to copy many ssb stations, and they sounded surprisingly good. Cw notes had a trace of hum, which I think is probably normal.

As a test of overall fidelity, I tuned in a local bc station on the receiver and also on my FT1000D, using its am filter. I switched between the two and asked my XYL which sounded better. The old Hallifcrafters won hands down. It's actually a quite impressive receiver, considering that its 56 years old! I initially thought I would get it working and then mostly leave it on the shelf. Now I think I'll actually use it quite a bit as a general coverage receiver. Hats off to those old Hallicrafters engineers!

73,
Jim W8ZR

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Albert S Woodhull <aswNS@hamp.hampshire.edu>
Subject: Hallicrafters S-40R and SX-140
Message-ID: <Pine.SUN.3.91.961027075812.1531C-100000@hamp>

At a tag sale in this area yesterday I came upon a couple of old Hallicrafters receivers I didn't recognize. One is an SX-140, the other an S-40R.

The SX-140 looks to be fairly late vintage, maybe 1970s. It seems to be a general coverage unit, maybe for the Novice ham market. Despite the X in the identifier I saw no control for a crystal filter. There is a control marked Selectivity-BF0. Did they use regenerative i.f.s or Q multipliers in these things?

The S-40R seems considerably older, maybe 50s or 40s, from an era when drab was fashionable in radio gear.

I don't know either of these units. Can anyone tell me more about them? (By the way, I didn't buy either one, they are still there. They looked pretty clean on the outside, and the asking prices were not excessive, \$25 and \$35, but I can't deal with any more BAs right now.)

73, Al N1AW

--

Al Woodhull
awoodhull@hamp.hampshire.edu
<http://minix1.hampshire.edu/asw/>
n1aw@k1mea.#wma.ma.usa.na
n1aw@ka1jy.ampr.org

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "Edward J. Zeranski" <ejz@nosc.mil>
Subject: HeathKit Senaca/varios stuff
Message-ID: <2.2.32.19961027201850.00d6dfb8@marlin.nosc.mil>

Has anyone played with a HeathKit Senaca 6M/2M AM-CW tx? I found one this weekend at a nonham swap for real cheap and dragged it home. Heavy little sucker! It is kinda dirty and missing one knob but otherwise complete. Also got from the same pile a "Nye Johnson" lowpass filter that looks like a copy of the EF Johnson and a Triplet 660 AC line voltage/watt meter for \$2.00 each.

Goin' off line and back on the road to Northern VA/DC, see you next week and thanks for the help. I'll keep an eye out for BA stuff!

Ed Zeranski ejz@marlin.nosc.mil, work
 ezeran@cris.com home
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!

This is a private opinion or statement and is nobody's fault but mine. No person, employer, or govt. should try to take credit for it!

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: Mike Warren <71555.713@CompuServe.COM>

Subject: Hello and a NC-173 query

Message-ID: <961028040933_71555.713_CHN64-1@CompuServe.COM>

Greetings all -- I'm a new member of the BA group and have been monitoring the feeds for about a month. Lots of helpful people here!

I am starting my first restoration -- it's a National NC-173 -- and have a couple questions:

1. The tube in the 5Y3 socket is a 5V4 - should I replace it with a 5Y3?

2. All three 6SG7's have been replaced by 717A's - is this normal?

The radio receives pretty good on all bands but has some dial slippage and the dials have yellowed -- any cure for this?

Will appreciate any helpful hints. Thanks and 73, Mike, W5MAZ

PS - Found a BC-610 XTAL in my junkbox - It's a FT-171-B, 3935 kc. It's free to anyone who wants it - just pay postage.

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996

From: Bob Rolfness <rsrolfne@atnet.net>

Subject: Help for R390 Types???

Message-ID: <327429D5.5586@atnet.net>

Greetings BA Types

Just returned from a cleaning out trip at my dad's and have found several of what I think maybe those "Twinax" ant. connectors for the R390. Not sure, as I'm not a R390 person, but these look like a standard RG 8 or 11 UHF male connector but have two inner connections.

I have several that are on about 6 inches of cable and a couple that are on some kind of 5 or 6 ft jumper twinax coax cable.

Have no idea of value or even if these are those long looked after units.

I'm open to suggestions, offers, etc.

73's Bob W7VZX

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996

From: hagelin@magi.com (Richard Brisson)

Subject: Help with RA-17L

Message-ID: <199610271444.JAA05910@istar.ca>

Some of you may remember my request of a few weeks ago about a RACAL R-1040 ... that is what had been specified to me by the owner who lives about 3 hours from here. No one on the list (nor the RACAL archives) had anything ! I phoned the owner back and asked him if he could access the back portion of the radio to see if he could confirm this R-1040. As soon as he said that all he could see inscribed was "RA-17L", then he needn't go any further.

So a few days ago, I went over and this unit was somewhat dirty on the outside and had a homebrew casing. He powered it up but since the two main adjustments were seized, not much could be surmized. Anyway, as a side project, the price was right and it came back with me to Ottawa.

I don't have the schematics for it so if someone can supply me with a copy, I would be most appreciative (and of course pay for all costs incurred). The most immediate question I have is that of inserting two tubes in their proper slots. The tagged positions are V18 and V21 and the two homeless tubes are a 6AL5 and 6058. If you can share this info on the RA-17L, this will take me to the next problem (my assessment is that there are a few).

Regards,

Richard.

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Help: need HRO Ident & some parts
Message-ID: <Pine.ULT.3.95.961026175813.11846C-1000000@admin.aurora.edu>

Ya can't even go for a drive in the country any more. Sheesh - I was visiting a friend (ham and 2-way radio tech) when an old HRO jumped in my car, along with a complete set of coils. He says he also has a National spkr to go with it (if he can find it).

Anyway, I cleand of the many yeras of barn/attic crud and it looks pretty good - all tubes test like new - no missing essential parts. It will not be a museum piece as someone installed a 11 pin socket on the rear panel and put another tube socket size hole and a few others on the right side of the chassis, but otherwire it will be OK. Power supply is home brew but a nice job. Electrically, it looks like the only mod was to replace the volume control with one having an OFF/ON switch, that controls the AC power.

I need 1 complete tube shield (6D6 type) and 3 additional top covers

that are used on the tube shields. Anyone got any laying around?

I have no idea what model this unit is. It is similar to my HRO-M except it is rack mount. Grey front panel has no markings at all for the switch functions. All switches are Bat handle toggles. The crystal filter has a plug-in xtal on top rather than inside the can like my "M". It has the brown-faced lighted S-meter. This may help to ID the unit: My HRO-M has the number PC502 stamped on the chassis. This one has PP500. One other thing - the coils fit flush with the panel when inserted. On my "M", they do not. Any help ID'ing this would be appreciated.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: Spencer Petri <spetri@e-tex.com>
Subject: Holy Smoke or my BC-348R quit!
Message-ID: <m0vHGsv-0002GCC@e-tex.com>

Hello B+ grabbers,

Yep, the old 348 finally quit and it's ghost slowly rose above the radio in the guise of smoke. A little investigation found part 57-1 (4700 ohm 1/2 resistor) burned out. Short on the B+ line in the RF module. Dandy. After disconnecting all wires and assembly screws and pulling the bandswitch rod, the RF module finally came out of the radio. Lifting the ground end of the B+ input bypass cured the problem. Schematic, module layout and parts list do not agree on the number of this cap. Looks like a 300VDC .01 to me. Removed the screw from the bottom of L4, pulled it out of the way and replaced the MICA cap. Now all I have to do is put the whole thing back together. So goes another rainy Saturday afternoon.

73 de Pete WA5JCI

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: Re: Holy Smoke or my BC-348R quit!
Message-ID: <Pine.OSF.3.91.961027113403.11645A-1000000@francis.tenet.edu>

Pete and the list,

Are you sure that the capacitor you replaced was mica? The -R series

(-C, -E, -H, -K, -L, -M, -P) of the BC-348 had many capacitors in it that looked like mica but were, in fact, paper. Years ago I read an article that encouraged complete replacement of these capacitors. I believe that they were all .01 but it has been a while since I did a BC-348 so there may be some others. If you replace them with disk ceramics the new capacitors will all fit in the places where the old ones were.

I have had trouble with the old capacitors and finally replaced all of them and the radios have worked fine ever since. I still have one of them. There is no way to know without testing just how many bad or leaky paper capacitors you have. If you are going to go in and lift one end of each capacitor so you can test it you might as well replace it.

Since you already have yours apart, now is the time to do it. As I recall, almost all of the caps were bypass.

Hope this helps you head off problems before they occur.

Lenox, WA50VG
klccarru@tenet.edu

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Jay Hauteman <caf@airmail.net>
Subject: Re: Holy Smoke or my BC-348R quit!
Message-ID: <m0vHb5r-000EuUC@mail.airmail.net>

From: boatanchors@theporch.com
cc:
From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
Subject: Re: Holy Smoke or my BC-348R quit!

Pete and the list,

Are you sure that the capacitor you replaced was mica? The -R series (-C, -E, -H, -K, -L, -M, -P) of the BC-348 had many capacitors in it that looked like mica but were, in fact, paper. Years ago I read an article that encouraged complete replacement of these capacitors. I believe that they were all .01 but it has been a while since I did a BC-348 so there may be some others. If you replace them with disk ceramics the new

capacitors will all fit in the places where the old ones were.

I have had trouble with the old capacitors and finally replaced all of them and the radios have worked fine ever since. I still have one of them. There is no way to know without testing just how many bad or leaky paper capacitors you have. If you are going to go in and lift one end of each capacitor so you can test it you might as well replace it.

Since you already have yours apart, now is the time to do it. As I recall, almost all of the caps were bypass.

Hope this helps you head off problems before they occur.

Lenox, WA50VG
klccarru@tenet.edu

Regards,
Jay - WA5DCG

caf@airmail.net

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: HP-23 & KWM-2: Rest of the Story
Message-ID: <199610271637.KAA07383@lesol1.dseg.ti.com>

Armed with a copy of the HP-23A manual (thanks Gary), in addition to my original HP-23B manual, and a copy of Charlie Talbot's article (thanks Dave) about adding an additional filament transformer to supplement the HP-23, a reasonably clear picture of the problem is emerging.

According to the HP-23A manual, the HP-23A can supply: 6.3 VAC @ 11 amps or 12.6 VAC @ 5.5 amps.

The beefier HP-23B can provide only 12.6 VAC but at 11 amps!

According to Talbot's article, the HP-23 (no A or B) can supply 6.3 VAC @ 4.5 amps.

Also according to Talbot, the KWM-2/A requires 11 amps @ 6.3 VAC, 5.5 amps @ 12.6 VAC or 2.75 amps @ 24 VAC.

Taking all this at face value, the HP-23 is not up to the task of powering a KWM-2/A but both the HP-23A and HP-23B should be. FWIW, when I totalled up the filament specification currents they came to only 9.7 amps @ 6.3 VAC,

about 10% less than Talbot stated. Either way, both the HP-23A and HP-23B appear to be capable of powering the KWM-2/A filaments. However, the HP-23 is apparently not up to the task.

The HP-23A has an advantage over the HP-23B in that the bias voltage is variable. I've been using an HP-23A with my KWM-2A for perhaps two weeks now and it's been working just fine.

Note that I said nothing about the HP-23C because I have no info on that supply. Considering the differences among the others, I won't hazard a guess as to the HP-23C's capabilities.

I hope that this info helps somebody out.

Regards,
Bill Sorsby, N5BU bill.sorsby@dlep1.itg.ti.com
Grapevine, TX 76051

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Info needed: FY0 Keyer Paddle
Message-ID: <v03007808ae99bd9fa944@[134.53.65.12]>

A friend picked up an FY0 keyer paddle, which is in pieces and he's trying to get it put back together. Does anyone know (1) when it was made, and (2) where a photo can be found? He needs the photo to figure out how the dot and dash levers mount. Thanks,

Jim W8ZR

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: Dave Hutchison <djhutch@concentric.net>
Subject: Johnsn Ranger II and Pacemaker
Message-ID: <3273F44E.67B9@concentric.net>

Both of these transmitters have been sold. Thank you for all of the replies. If for some reason the buyers don't come through with their money in a reasonable amount of time I will proceed down the list by the time the e mail was sent.

73's

Dave KW9U

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: wi2p@VNET.IBM.COM
Subject: Johnson Thunderbolt Info needed
Message-ID: <199610270156.UAA08146@uro.theporch.com>

Does anyone have an E.F. Johnson manual for a Thunderbolt amplifier that explains how to set up the plate tuning ganged roller inductor/variable capacitor? My manual (not the kit manual, but for the factory wired version) shows how to restring the plate tuning indicator but does not say where the plates of the variable capacitor should be when the dial pointer is aligned with the 0 or 100 indicator and the roller inductor is at one end of its travel. I want to be sure this Thunderbolt I am working on is aligned properly.

73, Ray WI2P wi2p@vnet.ibm.com

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Lake Texoma Hamfest
Message-ID: <199610270215.VAA22030@lesol1.dseg.ti.com>

Greetings,

The hamfest at Lake Texoma was a bit wet. Attendance looked to be down compared with last year when it was dry, but there were still a few BA things available:

- DX-100 (no-B), g
- HQ-170, g, \$200
- SB-100, g, \$150
- TR-4C (2 of 'em, different sellers), g
- Swan 350, f, sold for \$75 I think
- Knoght T-60, g
- SB-200, g
- Early Heath monitor scope (pre SB-line)
- Same CE20A, CE458 VFO and P&H LA-400 seen at Belton. Seller lowered price to merely outlandish at \$400.

And there were quite a few other things I've already forgotten.

I was quite happy to pick up a complete Eldico S-119 setup (S-line clone), in fair condition, for \$150. This consists of the T-102 transmitter, R-104 receiver, P-109 power supply, M-135 control unit and perhaps 300 pages of nearly complete documentation. It even includes two nearly complete crystal

sets for the ham bands including WWV and 30 meters, lacking only 3.5-3.6 MHz, 14.0-14.2 MHz and 10 meter coverage. The documentation is lacking about 1/3 of the receiver schematic and there is no schematic for the M-135 station console. The power supply is open frame. The manual pictures all show the power supply open frame except for one which kinda looks like the supply is closed up tight in a box. Anybody know whether the Eldico P-109 power supply came in a case? BTW, this power supply does not have the 6 volt filament current capability to power a KWM-2. ;-) I'd be interested in hearing from anyone else with the Eldico S-line clones.

Another item I picked up was a Heath IP-32 variable power supply in good condition, allegedly working, for \$10. I've passed up these things before and later wished I had one for forming electrolytics. It came without documentation, though, so if anyone would be willing to make a copy...

And the final item I picked up was one of those errant speakers searching for a matching radio. For the princely sum of \$10, I picked up an HR0-50 (I think) speaker in good condition. This speaker is the exact same height as my HR0-60 and is a light color very close to the repainted color of my HR0-60.

Regards,
Bill Sorsby, N5BU bill.sorsby@dlep1.itg.ti.com
Grapevine, TX 76051

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: lkayser@rideau.net (Larry Kayser)
Subject: Loudenboomer Amplifier
Message-ID: <199610272131.QAA04218@mail.peterboro.net>

Not sure of course, but the front page of November CQ Magazine looks to me like the chap has a "Loudenboomer" on the table.

Larry
va3lk / wa3zia

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
Subject: Manual for Knight Kit "Li'l Hopper"?
Message-ID: <Pine.SV4.3.91.961026232643.4804C-100000@mesa5.mesa.colorado.edu>

I want to build a replica of the Knight Kit "Li'l Hopper." Can anyone

provide me with a photocopy of the complete assembly/instruction manual?

The "Li'l Hopper" was a portable (battery powered) version of the Knight Kit "Ocean Hopper." It used two 1S5 tubes.

Of course, I'll pay for photocopying and postage costs.

Thanks.

Jim Rybak WOKSD

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: Manual for SX-117 needed
Message-ID: <19961026.225330.4391.6.k7yha@juno.com>

Gang:

Just picked up a SX-117 and need a manual.

Can anybody help?

Will pay postage, copy costs.

73 rich K7YHA

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: Spencer Petri <spetri@e-tex.com>
Subject: Mica Update
Message-ID: <m0vHh01-0002G6C@e-tex.com>

Hello BAers,

Well here's the definitive word in my case. Found the bad cap from the 348. Definitely mica. Also checked a screen bypass in a old ARR 15 parts unit. Mica.

73 de Pete WA5JCI

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Spencer Petri <spetri@e-tex.com>
Subject: More BC 348K #200
Message-ID: <m0vHbAw-0002G3C@e-tex.com>

Gang,

Got it put back together again, did an alignment with my trusty TS-497B and put'er back in the cabinet. It's now pounding out WWV better then ever.

73 de Pete WA5JCI

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Spencer Petri <spetri@e-tex.com>
Subject: More Micas
Message-ID: <m0vHZnT-0002GPC@e-tex.com>

Hello,
Well, the parts list says it's a mica. Dunno what I did with it or I would open'er up.

The screen bypasses in my ARR-15s also failed and these were micas. After about three times I went thru and changed the bypasses in these radios. At least they were easy to reach.

73 de Pete WA5JCI

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: vancleef@netcom.com (Henry van Cleef)
Subject: Re: More Micas
Message-ID: <199610272228.PAA17852@netcom14.netcom.com>

As Spencer Petri discourses

>
> Hello,
> Well, the parts list says it's a mica. Dunno what I did with it or I would
> open'er up.

>
> The screen bypasses in my ARR-15s also failed and these were micas. After
> about three times I went thru and changed the bypasses in these radios. At
> least they were easy to reach.

>
I would not get too carried away with what parts lists say. If the part is 10,000 pf. or more (.01 mike), and of '40's vintage, its a molded paper, if its a postage stamp. As I recall, the 8200 pf. molded caps used in the Hallicrafters S-36A as bypasses were listed as "molded paper."

For replacements, you need to consider the circuit application. Mylar

caps make find bypass caps in any place that originally used .01 wax paper condensers or the postage stamp type molded caps. Where you want to get serious about using something else is fixed caps in tuned circuits. NPO ceramics are good for this if there is not a lot of voltage across the cap (i.e. B+ blocking in a shunt-fed oscillator or transmitter tank).

When using mylars to replace wax paper bypasses, I generally look for suitable nearby ground points, to avoid long leads. I always wonder about adding parasitics when doing this, because Q of mylars is much higher than wax papers, but I have never run into the problem. I also look around for long grid wires and long plate feed wires behind the decoupling, and generally put some squeal stoppers in series---47 ohms 1/8 watt are ideal for most places in receivers.

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: Al Klase <alklase@prolog.net>
Subject: Re: More Micas
Message-ID: <199610280117.UAA16620@ns1.ptd.net>

At 12:21 PM 10/27/96 -0600, you wrote:

>Hello,
>Well, the parts list says it's a mica. Dunno what I did with it or I would
>open'er up.
>
>The screen bypasses in my ARR-15s also failed and these were micas. After
>about three times I went thru and changed the bypasses in these radios. At
>least they were easy to reach.
>
Anchorites,

In my experience, the .01 "Micamold" caps in the BC-348's, ARR-15's, and numerous other military sets are PAPER CAPS with all the shortcomings thereof. Cut one open and see! REPLACE THEM ALL!

73, Al

Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
Subject: National AN/WRR2 - AN/FRR-59

I am selling a National AN/WRR2 also known as AN/FRR59.

Perfect working conditions with some spare modules.

Best and last vacuum tube receiver built for the Navy 's submarine fleet.

Make offer.

Francesco Ledda

972-479-2751

----- Forwarded message ends here -----

----- N O T I C E -----

Please do not email me regarding this message. It is a re-post from the newsgroup rec.radio.swap. All inquiries must go to the person making the post at the email address above... not me!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: n5off@w5ddl.aara.org
Subject: Need SP-600 Power Cord Help
Message-ID: <495090@w5ddl.aara.org>

While going through a SP-600 JX-26, I have on the list to change the original cracked 2 wire to a 3 wire. But I'm always careful with these kind of things so before proceeding, here are some measurements.

There is 36VAC present from the house hot to the rig frame. There is 44 VAC present from neutral to the rig frame.

I looked at the book and schematic, and noted the AC bypass caps, but when I went to the rig, there were some large resistors in the position the pic shows the bypass caps. The transformer is wired directly to taps

1 and 4 from the AC power, no side connections to bypass caps that I can see.

When I ground the frame to an earth ground rod to make the 44VAC zapper go away, the signal drops 10-20 dB

Q: what is going on here?

Q2: How can I make this rig safe and not lose 10-20 dB in signal when I plug in the 3 wire plug?

Q III: What am I missing.

73 de tom

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: n5off@w5ddl.aara.org
Subject: New R-390A Book Out
Message-ID: <494480@w5ddl.aara.org>

I received a copy of a new book today, "R-390/URR - R-390A/URR HANDBOOK" by Paolo Viappiani. The book is published in Milan, and is in Italian.

One interesting rig he shows in the book is a commercial version of the 1968 EAC 390A, with a factory EAC product detector. The front panel BFO control has four positions. OFF-ON-LSB-USB. A rare one.

The book is a slick softbound, 143 pages. He has photos, schematics, mods, and a complete set of references to articles.

You may contact the author at:

Paolo Viappiani
Via G.B. Valle, 7
19124 LA SPEZIA, ITALY

73 de tom n5off

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: NEW USE FOR BA RCVR!
Message-ID: <Pine.ULT.3.95.961026210342.12787B-1000000@admin.aurora.edu>

You can eliminate aliens with them - Yup - I just saw it on TV tonight. Dark Skies had opening scene showing a S-38C, where our hero & heroine receive a secret message from a WN2 (on phone no less. Remember this was

back in 1964 when WN's were novices).

Anyway later, one of the alien infested bad guys tries to do away with our friends so good old Kim clobbers him over the head with the S-38! Oh my, bye-bye BA, but the scumbag survives (naturally).

There was another scene showing what appeared to be a S-38E and next to it very clearly was a Drake R4. Another bad guy makes a transmission with one of these. I guess if you are a supreme being from another planet you can transmit over anything.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: Peter Ferrand <petef@sprynet.com>
Subject: Re: noise cancelling
Message-ID: <2.2.32.19961027012434.00735578@m3.sprynet.com>

At 08:52 PM 10/25/96 -0400, you wrote:
>Peter Ferrand wrote:

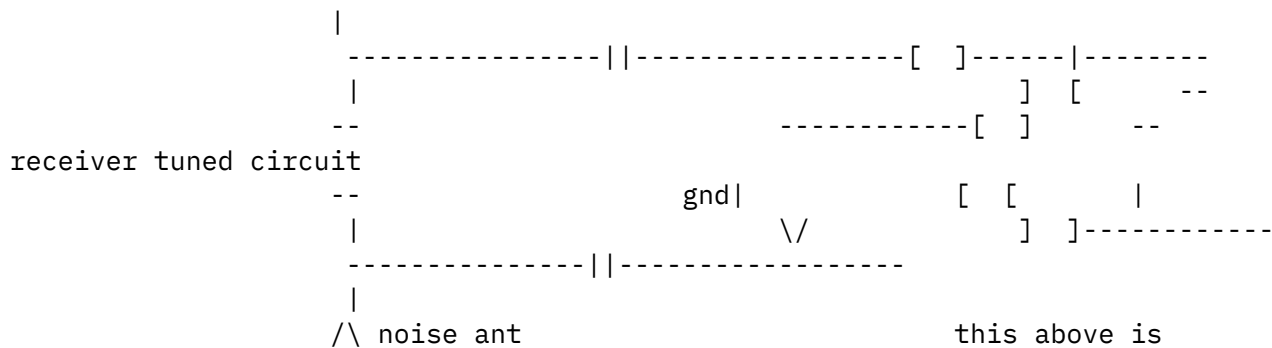
>> Late 40's editions of the The Radio Handbook from Editors and Engineers
>> showed a simple phasing design that also works but is very fiddly.
>> -Pete--
>
>Hi Pete,
>
>Thanks alot! That's just the kind of info I've been looking for. I will
check
>that web site. What is the book you mentioned above? I have a couple ARRL's,
>a '55 Terman, and a mid-sixties Orr, but have never heard of that 'editors and
>engineer's book.

Hello Richard:

Well, that's what it is. Editors and Engineers was the publisher in Santa Barbara, CA. The title was The Radio Handbook. Known hereabouts unofficially as "the west coast handbook". A neat resource with the usual technical things and construction you'd find in a handbook of that era.

It's just this:

\\ signal ant



supposed to be a two winding coil

supposed to be the existing input coil

radio, other is two to four turn coil on it.

this above is

right side

of the

All caps are 100 pf variables.

>From the book: "This type of noise balancing is not a simple process; it requires a bit of experimentation in order to obtain good results."

Phasing is pretty much phasing, works within limitations. JPS refers to their technique as "electronic phasing" but refused to tell me just what that means. The CQ article's W1FB piece works (I built a BA version) but is tough to adjust since in addition to shifting phase relationships it produces widely varying signal strengths as you twiddle the knobs. The NRC articles mostly have a design which detunes a tuned circuit (slightly) to provide phasing. Easy for a single band, tougher for bandswitching. Phasing is by nature critical and can take a long time to adjust. Handles overload well but can take me a half hour with this design to phase something out.

The ANC-4 works on local noise OK, but has lousy front end overload characteristics on its noise input, so local broadcasters and whatall can clobber it if you use anything significant for an antenna. I wrote the 73 Magazine review of it a few months ago and had a chance to check it out at length. Unfortunately the magazine didn't want a lengthy review.

The key would be to get smooth, easy to adjust phase relationships over a wide range. Someone mentioned a "bridge type" phasing adjusting circuit but never responded to my e-mail to explain just this what this was.

Let me know what you wind up with.

-p

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: wbird@dns1.ala.net
Subject: QST Wanted
Message-ID: <M.102796.153850.43@ala.net>

WTB: Any copy of QST or CQ with article on Hammarlund SP600-JX (or any other form of the SP600) if one exists. Also interested in any QST's from 1950-1960, please quote price per magazine and as a collection. Thanks, Willis T. Bird (W4WUL)

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Spencer Petri <spetri@e-tex.com>
Subject: R or K
Message-ID: <m0vHbCu-0002G3C@e-tex.com>

It was the K.

Pete

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Larry Godek <AZCOT@gnn.com>
Subject: Radio Log Sheets
Message-ID: <199610272127.QAA12511@mail-e2b.gnn.com>

While digging around in the Ol'e file cabinet, I found a partial pad of "Rough Radio Log" with the notation in the upper left corner "U.S.S. TENNESSEE 4-13-39-4,000. Probably 25 or sheets. Also in the same package were some "Naval Message" forms called "COMMANDER BATTLESHIP DIVISION TWO" also from the U.S.S. TENNESSEE dated 8-14-39. Looks like multi-layered forms with a white, pink, blue, yellow and another white sheet. Oh, I see. White cover sheet is Flag file, pink is flag action copy, blue is Captains copy, yellow is communications officer and last white is ships file. Oh yes there is also a tan copy near the back of the stack and its marked for the executive officer. Even still have carbon papers with them. Never know whats gonna be found in the archives do you?

Larry AZCOT@gnn.com

Gilbert, AZ. 85233

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
Subject: RCA PARTS: MOST WITH PRICES lets try again
Message-ID: <2.2.16.19961028030211.247f5950@fvmail.com>

I have tried to assign prices to this stuff...there is some that will have to be 'offer' still....if you'd like to get a copy of this list (again) email me..
thanks

=====]-[->

Robert Fowle KC8DBC
The HAMMARLUND Historian
Ph. 517-789-6721
1215 Winifred
Jackson, Mich. 49202-1946
E-mail: hammarlund@jacksonmi.com
Web Page: <http://www.jacksonmi.com/hammarlund>
HAMMARLUND LITERATURE WANTED
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

=====]-[->

Boatanchors: the list: listproc@theporch.com.....subscribe boatanchors
<your name>

the news group: rec.radio.amateur.boatanchors
news group: ham-am@Listserv@ucsd.edu....Body: add ham-am

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Restoring Silkscreening
Message-ID: <199610271538.JAA06299@lesol1.dseg.ti.com>

Greetings,

Has anyone had success rejuvenating front panel silkscreened lettering?

The Eldico gear I picked up yesterday should clean up to pretty good condition, but there are a few spots in the silkscreened lettering which show wear. So, naturally, I've been wondering whether there's a viable method to touch up the existing silkscreened markings. Conceptually, it would seem possible, albeit a bit tedious, requiring a steady hand and a bit of luck to look decent.

In the thread on restoring engraved panel markings a week or so ago, several

paints were suggested. Would any of the suggested paints be suitable for silkscreened markings.

Are there any success stories out there for restoring silkscreened front panel markings. Even failure stories would be enlightening.

Regards,
Bill Sorsby, N5BU bill.sorsby@dlep1.itg.ti.com
Grapevine, TX 76051

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: Re: Restoring Silkscreening
Message-ID: <Pine.OSF.3.91.961027114706.11645B-100000@francis.tenet.edu>

Bill and the list,

I have tried this with mixed results. I use the small bottles of model paints (enamel) that you get at the hobby stores or Michael's (Testors makes a lot of it in many, many colors.

Generally, the first, and sometimes the hardest, problem is matching the original color. Black, obviously, is easy. White, on the other hand, can be a real bear. Many old paints were never as white as modern paints. You often have to add a bit of yellow, brown and, rarely, black. Usually, I don't add enough and it dries whiter than I want.

After you are certain that you have the proper color (four hours and six beers later) you can start to paint. I use one of those magnifying glasses with a circular fluorescent lamp around it and a very small and very high quality (i.e., expensive!) brush. You must use a good brush or it either won't hold the paint or it will have odd bristles that stick out and ruin the work.

After that, a steady hand, paper towels and paint thinner to correct mistakes (yes, you start over) and a good supply of appropriate words will sometimes result in an acceptable job. Use an almost dry paper towel to wipe off mistakes - don't use too much thinner.

This works well if some of the original paint is everywhere you need it. If you are missing whole letters or, worse, whole words it is almost impossible to correct. The only solution that I have found is to hope you can find some dry transfer letters that match the original type style and coloring. I did this a long time ago with Teletype machines and I was

lucky. It has never worked since! :-(

Dont' drink coffee before doing this unless your are doing it on a wrinkle finish! ;-)

Lenox, WA50VG
klccarru@tenet.edu

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: SP-600-JX-17 update
Message-ID: <3272C171.74FE@ghgcorp.com>

Hi Folks...

Just got the one SP-600-JX-17 back together. This is the one that was the learning experiance for the panel refinishing series of posts. I cleaned up all the knobs, wire brushed all the front panel hardware, and put it back together. Well, it *used* to have AVC problems, but they have now gone away! Maybe they were cuased by the cat pee! Yes, this is also the infamous cat pee radio. Well, it looks great and works really good. It's pulling in CB traffic (channel 18) right now, and doing a really nice job. I had it going earlier listening to some cordless phones by accident, as a test! It heard them really well.

I really like these SP-600's. Nice radios. Was listening to some Mexican music on AM, and just had to hook up one of the speakers from the stereo. It sounded really nice! Pretty loud too, but no cops knocking on my door this time...

73,
Ben
--

From the computer of	Collector of fine firebottle
Benjamin D. Hall, Houston Texas	equipment, as well as other things
BDHall@GHGCorp.com -or-	involving Earth, Air, Water, and
BHall@GP802.JSC.NASA.gov	Fire.

"When you clock the human race with the stopwatch of history, it's a new record every time."

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: "Allan Fritsche" <fritsche@msn.com>

Subject: Spare case for the HQ-145, etc.

Message-ID: <UPMAIL03.199610272317590405@msn.com>

Case is going to Milwaukee, Wi... I think this little metal object needs a BLATZ's beer. BTW, I got a few spare Hammer Knob's if anyone is interested. Also one Yellow S-meter that works.
fritsche@msn.com

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996

From: k7yha@juno.com (Richard H. Arland)

Subject: The SX-71 Saga, The Final-Final

Message-ID: <19961026.225330.4391.5.k7yha@juno.com>

Gang:

Persistence and patience pays off. FINALLY, we got the SX-71 perking along FB.

After finding several bad tubes and a couple marginal emission tubes, we managed to align the 2nd IF (455 kc) no problem. The 1st IF (2075 kc) was something else, again.

The problem(s) was in the 2nd mixer (called the 2nd converter by Hallicrafters) and consisted of a 6BE6 used as a mixer and a 2075 kc IF can and a 455 kc IF can. We found a bad 220pf cap inside the 455 IF can. After replacing that and reassembling the 2nd mixer module (it is a plug in type module that sits atop the chassis) and re-wiring it to the chassis, the 1st IF alignment went fine.....UNTIL we set the rig on it's feet (we aligned the IF strip with the rig sitting on it's right side so we could get to both the top and the bottom slugs on the IF cans). The sensitivity went to hell in a hand basket.

A little poking around on the underside of the chassis thru the holes to align the 2075 kc IF can and we found an intermittent problem. Off came the 2nd mixer (again) and we started digging around inside. All the solder connections were reheated. All the resistors and bypass caps were replaced (most of the resistors were at least 30% out of tolerance!) and the unit reinstalled in the chassis.

Again we realigned the 1st IF. No problem.....except for when I tried touching the coil slug on T-21 (the 2075 IF can) and things went WILD! Off came the 2nd mixer (again!).

This time we pulled T-21 fully apart and checked the capacitor and all the wiring on the coil form, looking for cold solder connections. It was noted by N3PBL that the slug seemed very loose in the adjustment track. The slug was removed and we rebent the lips of the adjustment lugs

inward to hold the slug screw more securely. The 2nd mixer was then reassembled and re-re-re installed in the radio.

This time, 1st IF alignment went smoothly and no intermittent drop off of sensitivity was noted.

The RF alignment proceeded with out a hitch until we got to the 14mc antenna coil, which did not match up with the hole drilled in the cover plate (that MUST be installed before aligning the RF/Mixer/Osc stages). We removed the cover, turned it over and moved it around until we found a hole that would line up with the 14 mc antenna coil and still cover about 90% of the rest of the area over the mix/osc/ant coils.

I must admit that the final results are encouraging. The sensitivity of the receiver is quite good despite being over 40 years old! All bands are well within the specs that Halli originally stated on the manual. sensitivity on band 4 (12-30 mc) is very good, with .7 uvolts on 14 mc.....of course it drops off quite rapidly above 18 mc.....but still, the old girl hears quite well.

It took considerable time to completely de-debug this old BA but I am very satisfied with the end results. Overall appearance is about an 8 on a 10 scale....performance is a 9.5! It sure is nice to listen to SW Bcst on the SX-71 using a Hammarlund speaker (that is the only one I have that is 3.2 ohms). AM on 80 & 40 meters sounds wonderful!

73 rich K7YHA

PS: anyone got a matching speaker for the SX-71. My Dachis book is upstairs as I am writing this, so I don;t remember the actual speaker model. IT does not have to be in great cosmetic shape....that's what we have an autobody school for where I work (a little sandblasting here, primer there, and final paint)!

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: MODSTEPH@ACS.EKU.EDU
Subject: the Viking lives, World Series and a BA
Message-ID: <01IB46N0PXJ600CD2T@ACS.EKU.EDU>

What a day!

After returning from an extended shopping trip with the XYL (she shopped, I patiently endured - altho we did find a new very good Mexican restaurant), I got back to continue work on the "stored-in-a-barn" Viking II and to listen to game 6 of the series. Concerning the latter, I listened to the game on my Atwater Kent model 856, with the Atlanta station doing quite well here in Kentucky...

Time to install the "find," the 20k 100W tapped resistor, the last one Clarostat had in stock. ARGH! - ohmmeter check shows it is OPEN, and after all the build-up!. As it turned out, the open was very close to one end, so I put the tap on it from the old resistor at that point, at almost no loss in resistance, and mounted it in the transmitter. Works, thanks goodness!

Adjustments to bias circuit have the final running properly and putting out about 150 watts on CW, and the phone section still to be worked on - BUT - after all these years, it works! Good feeling (as most of you know)... Now to check on that Viking 122 VFO I have had sitting around for about five years.... In the mean time I am going to run some xtal control CW as soon as I put it back in its case.

73, A1 N5AIT
modsteph@acs.eku.edu
Allan Stephens
Richmond, Kentucky
LOOKING FOR (WTB): Morrow RTS-600S ps/spkr
Multi-Elmac M-1070 ps
Harvey-Wells APS-50 ps

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
Subject: Tip Plugs & Tip Jacks for Headphones??
Message-ID: <Pine.SV4.3.91.961027194720.11255B-100000@mesa5.mesa.colorado.edu>

Does anyone know where I can get some of the old style tip plugs and tip jacks like used to be used with high impedance headphones? I need to do some repairs.

Thanks.

Jim WOKSD

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: spr@earthlink.net (Scott Robinson)
Subject: Vintage Solid State NG? list?
Message-ID: <v01530507ae97f5173a72@[153.34.197.54]>

Folks,

I recall a couple onf mentions of a Vintage Solid State nesgroup or mailing

list, or?? I can't find it either in a newgroup index or a mailing list index. Could someone reduce my ignorance so I can see what they have to say, and maybe even contribute the occasional article?

This ain't BA stuff, but here's where I saw it mentioned. Thanks for any help.

Regards,

Scott Robinson
spr@earthlink.net
"Wait'll he puts on his stereo headphones..."

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: gpewitt@execpc.com
Subject: RE: Vintage Solid State NG? list?
Message-ID: <Chameleon.961027080134.gpewitt@execpc.com.execpc.com>

Try vss@mlist.access.digex.net

On Sat, 26 Oct 1996 19:09:09 -0500 (CDT) Scott Robinson wrote:

>Folks,

>

>I recall a couple of mentions of a Vintage Solid State

newsgroup or mailing

<snip snip snippity snip>

Name: Gary Pewitt N9ZSV

6120 W. Calumet Rd. Apt 204

Milwaukee, WI 53223

414 355 8147 Home 414 297 4307 Work

E-mail: gpewitt@execpc.com

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996

From: Andy Wallace <wallace@world.std.com>

Subject: vy brief Nashua NEARC N.H. report!

Message-ID: <199610270139.AA05216@world.std.com>

I came, I saw, I didn't really get skunked!

Saw BAers Mike Crestohl, Chris Sieg, John Shriver, John Michael,
Pete Ferrand, and Rhyne Killian.

Bought: a few pairs of headphones (Brandes and Davis [made by
United Radio Corp., Rochester NY]), a nifty looking one-tube homebrew

set (UX-201A), and a copy of Radio for Everybody (1922). The book looks very nice, profusely illustrated I would say!

Chris Sieg got an interesting looking British set. Darned if I can remember the name...it wasn't Pye or Marconi or Eddystone! Chris?

Saw the following: NC-100, HRO (black), SX-62, SX-25, EC-1.... Holy Tumbleweeds, Batman -- that's about it! Not a transmitter in sight, and the only interesting key was a \$275 Mac that a NY dealer had at his table. But this is an antique radio show... The catalins I saw were \$1000 and \$2700, believe it or not.

I also picked up CRYSTAL CLEAR vol 2 (since I'll never afford commercial xtal sets!) and Moore's transmitter book. Have still been tempted by the 1920s set engineering profile BEHIND THE FRONT PANEL but I think I'll get that on my next Antique Electronic Supply order!

That's all, folks!

73,
--Andy
wallace@world.std.com

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "Walter Fairclough" <wfairclo@netcom.ca>
Subject: Wanted
Message-ID: <199610271457.JAA24780@tor-srs2.netcom.ca>

Restoring Hallicrafters S-38. Need manual and schematic. Will pay repo and mailing costs (scanned file will do also).

Also looking for any suggestions on how to go about restoring the finish on the front panel without destroying lettering.

Any help is appreciated. Thanks.

Regards

Walter

Walter Fairclough
Manotick, Ontario
wfairclo@netcom.ca

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996

From: "Robert S. Ross" <radiorob@serix.com>
Subject: WANTED...Drake 1A Speaker.
Message-ID: <199610270110.BAA17609@cm.serix.com>

Hello Guys:

Looking for a Drake 1A speaker. If anyone has one for sale..please let me know the condition and asking price.

Thanks....ROB

Robert S. Ross VA3SW
London, Ontario, CANADA

Radio DX'er
Antique Radio Enthusiast

Stuck in a time warp..and lost in the ozone again!!!!

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "JOSE V.GAVILA (EB5AGV)" <eb5agv@ctv.es>
Subject: WANTED: 70K-2 PTO for 75S-3B
Message-ID: <199610271716.SAA19594@sandra.ctv.es>

Well, as the title says, I'm in need of one 70K-2 PTO subassembly for my recently acquired 75S-3B. As I said in a previous posting, tuning was a bit difficult. I quote part of that message:

"Another trouble I have is with the VFO in the 75S-3B. Basically, it is a mechanical problem; I move the dial up or down about 1 KHz and sometimes frequency remains unchanged, changing abruptly a moment later. So tuning is very difficult.".

Today I have dismantled all the dial assembly and have found that the problem is inside the PTO unit, in the variable inductance. And I guess it should be difficult to fix it, as it appears to be a mechanical wear inside the inductance. So, if someone has a 70K-2 in good shape and is willing to sell to me, please, drop me an e-mail. Also if somebody has found a similar problem and has a solution for it, I will appreciate it.

By the way, I solved the 32S-3 carrier problem; I was wrong about that it only happened in USB. It did also in LSB, but some KHz apart...Too basic to miss it!. So I adjusted carrier balance and the problem is gone!.

Thanks!.

Best regards.

73 JOSE V. GAVILA (EB5AGV / EC5AAU)
Valencia - SPAIN

http : //www.geocities.com/SiliconValley/6992
e-mail: eb5agv@ctv.es

* PLEASE, note my NEW e-mail address: *
* eb5agv@ctv.es *
* or *
* eb5agv@amsat.org *

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: John Kolb <jlkolb@cts.com>
Subject: Re: Wanted: Dead or Alive
Message-ID: <Pine.SC0.3.91.961027105924.4599F-100000@sd.cts.com>

On Sat, 26 Oct 1996, David Ross wrote:

> I'm looking for a strange old critter, an early 60's vintage Collins HF
> receiver, either a 50E-1, a 50E-6, a 50E-6D, or a 50E-7. (all are
> receive-only variants of the KWT-6 or URC-32 or ARC-58 families) Anyone
> seen or heard of these RXs?

Never seen mention of these before, although I sat in front of a URC-32
in the Navy. Is there a book such as "Radios by hallicrafters" or
Moore's "Communications Receivers" that covers Collins, or military
in general?

John jlkolb@cts.com

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: Bill Meara <74537.1100@CompuServe.COM>
Subject: Westminster Hamfest - Good Junque!
Message-ID: <961028014502_74537.1100_EHH127-1@CompuServe.COM>

We only had one hamfest in the Dominican Republic during my four years there (I
got an HQ-100!) so when Bob, W4AOS, pointed out that there would be one this

Sunday up in Westminster Maryland, I was soon northbound on 95 to savor the radio-rich hamfest ambience that I'd been reading about on the BA list.

I was not disappointed. The weather was great, the countryside was beautiful and everyone at the fest was very friendly. I didn't see many Boatanchors, and Brian has already filed a good report on what was there, but I was happy to be able to rummage through all that glorious junk:

-- I picked up some high impedance headphones that will soon form part of a crystal receiver (Galena from AES).

-- I got a big box of 8 mfd 450 WV electrolytics (God knows we need these!).

-- I bought a weird bug keyer - sort of a heavy Bakelite base and Vibroplex-like mechanism (made in Japan).

-- BIG box of 60's era QST's (5 bucks - I'll be reading them on the train for months).

-- Finally, for 40 dollars I got a fully functional 8086 laptop computer (with printer!). Now here's the BA connection (literally): With a junky old modem and some easy to obtain software, I was able to access the net (USENET and E-mail) via CompuServe with this rig. These old discarded computers provide an easy way for us to get some of our cyber-challenged BA brothers onto the net (or at least onto the list).

I enjoyed the whole 'fest thing. Looking forward to the next one. Soon I'll enough junk to be a seller!

73 de Bill N2CQR/4

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "Brian Carling" <bry@mnsinc.com>
Subject: Westminster hamfest BA report
Message-ID: <199610271924.0AA02031@user2.mnsinc.com>

Hi chaps,
I went today to the Westminster, MD hamfest and prepared a partial report on the BA devices seen in the tailgating party area:

SB-102 Asking price \$150.00

Two old old Stromberg-Carlson P.A. amps with 2X 6L6 in each.
With the pair of speakers in each case: \$20 & \$25.00
I almost negotiated for one when I was trumped by a feller who barged in waving \$45.00 at just the wrong moment and spirited them both

away hurriedly! I guess I didn't need one THAT badly.

SP-600 encrusted in front panel nicotine stains asking \$100.00 and reported to be working well.

Collins 51J2 already sold for \$125.00 and reported to be in need of work. Same guy had numerous S-line items.

A cherry Zenith Trans-Oceanic asking \$2500 - seems steep but it was NICE!

SX-24 in the "walk-through trailer" for \$125.00

BAD ARC-5 transmitter for \$10.00

Now an INTERESTING item: a "rare" Ray Jefferson CO. RT-663 radio with a telephone handset on the front, and civilian colored cabinet. With several accessory items for \$100.00 Looked NEW. Claimed to be NEW.

SX-100 asking \$165.00

SPARTON floor model domestic receiver asking \$175.00 so so condx.

Hallicrafters Continental AC-DC portable receiver for \$30.00 pretty nice.

NCX-5 with manual - asking \$150.00 (that one was inside at a booth with a BIG MASTERCARD/VISA sign up!) He also had numerous new in the box J-37 hand keys with the leg iron for \$40.00 each or "2 for \$75.00"

TU-7 tube tester. I think that it actually had "TU-177" on the case. Unfortunately some dimmo painted it bright red over the original grey paint, and the red paint job is flaking off badly. I bought this because the price was low, and it is in great condx inside. Reported to be working. We shall see.

I also bought a handful of brown high voltage transmitting caps that I needed - things like .001 at 5,000 VDC etc.

I didn't stay long. Overall it was fun. I drove down to Reston, VA to watch my son's ice hockey team get defeated. Oh well...

Now to sort out all of the other BA stuff here. More on this later.

Bry

73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA

bry@mnsinc.com

*** See the great ham radio resources at:
<http://www.mnsinc.com/bry/>

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: "Brian Carling" <bry@mnsinc.com>
Subject: Re: Westminster hamfest BA report
Message-ID: <199610280017.TAA14417@user2.mnsinc.com>

HEY! It's a reply from AF4K!

Oh dear - sorry guys, I feel that I must correct this error for all to see.

It was NOT \$2500 that he was asking, but rather it was:
\$250.00 = (TWO HUNDRED AND FIFTY DOLLARS!)

Sorry for the mistake!

On 27 Oct 96, Scott Robinson wrote:

> ne items.
> >
> >A cherry Zenith Trans-Oceanic asking \$2500 - seems steep but it was
> >NICE!
>
> ...GASP!...a \$2500 T/O!? I'm RICH! except that of course it didn't
> sell, did it?
>
> Most of the T/O series actually sold for the equivalent fo about
> \$1000 present dollars when new. Bryant and Cones' book on T/Os has
> all this displayed on a graph, corrected to 1995 dollars.
>
> Regards,
>
>
> Scott Robinson
> spr@earthlink.net
> "Wait'll he puts on his stereo headphones..."
>
>
>

73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA
bry@mnsinc.com

*** See the great ham radio resources at:
<http://www.mnsinc.com/bry/>

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: Dave Hutchison <djhutch@concentric.net>
Subject: What's wrong with list?
Message-ID: <32734B06.672@concentric.net>

I have received only six postings in the last 36 hours. Moreover, I did not receive my own "FS" posting, yet received responses back from other list members who did!

What's going on?

Dave Hutchison KW9U

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996
From: "Richard A. George" <wa6jox@rain.org>
Subject: WTB
Message-ID: <Pine.SUN.3.95.961027195958.12736B-100000@coyote.rain.org>

I would like to buy the following items. please e-mail direct:
QST magazine Febuary 1960
QST magazine August 1964
ARRL handbooks 1967,1968,1969

Will pay reasonable price and shipping thanks Dick K6KWQ

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996
From: "William C. Robbins" <billrobb@net-link.net>
Subject: WTB: Collins KWS-1
Message-ID: <199610271520.KAA10096@serv01.net-link.net>

This is posted for Gary, a friend of mine, who is not a member of the group.
Please call him.....Not Me.

I am looking for a Collins KWS-1 Transmitter..... would like a working unit that is also in good shape cosmetically..... will consider any and all units available including complete KWS-1/75A-4 stations..... prefer to pickup anywhere in Michigan, Ohio, Illinois, Indiana, or Wisconsin

Gary Franklin K8BKB

Home: 616-685-5792

Work: 616-248-9248

Compuserve 103273.1070

William C. Robbins, WA8CDU

Heathkit Collector

billrobb@serv01.net-link.net

From boatanchors@theporch.com Sun Oct 27 22:13:03 1996

From: Dave Hutchison <djhutch@concentric.net>

Subject: WTB: Drake R-4 and T-4

Message-ID: <3273F4A0.74C2@concentric.net>

I am looking for a Drake R-4 receiver and T-4 transmitter. Any help would be appreciated in locating this gear.

73's

Dave KW9U

From boatanchors@theporch.com Sun Oct 27 15:30:42 1996

From: K1EL@aol.com

Subject: WTB: Heath HP23 Supply

Message-ID: <961027153940_1146965370@emout03.mail.aol.com>

I am looking for a Heath HP23 power supply for my HW101. Anyone have a spare they would like to sell ?

73 Steve K1EL

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996

From: "Mike O'Brien" <mobrien@lib.drury.edu>

Subject: WTB: old microphone

Message-ID: <Pine.3.87.9610262010.A28264-0100000@lib.drury.edu>

I'm looking for a 1930s-'40s microphone that looks like the old "candlestick" telephone minus the earpiece. I think it may be known as a "T-50" or some such. Any help appreciated...

73, Mike K0MYW

mobrien@lib.drury.edu

From boatanchors@theporch.com Sun Oct 27 04:12:40 1996
From: "michael d. ferraro" <ferraro@ix.netcom.com>
Subject: WTB:Heath:HW-2036 Parts
Message-ID: <199610270147.SAA12112@dfw-ix1.ix.netcom.com>

Im trying to resurrect this heath 2 meter synthesized rig....I need the top cover and the bottom plate.....also I need all 6 IC's on the synthesizer I think they are IC401 to IC406....any help would be appreciated..

73's de k6zsr "mike in montecito"

Error: Keyboard not connected....Press F10 to continue